Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/28/2017 10:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124716	-1	1.48	124616	1.49
Blue	F	SSC	125000	123907	-1	3.01	124278	2.85
Blue	E	FITC	23795	22947	-4	2.67	1021	10.44
Blue	D	PE	29673	29097	-2	2.10	1046	10.00
Blue	B	PerCP-Cy5-5	48943	48298	-2	3.52	1395	17.40
Blue	A	PE-Cy7	44112	43523	-2	5.31	672	36.99
Red	C	APC	54273	53751	-1	2.72	3101	9.47
Red	A	APC-Cy7	54945	53966	-2	2.76	1135	11.32
Violet	B	V450	15756	15127	-4	4.36	722	8.96
Violet	A	V500	62569	60488	-4	4.07	2687	6.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19558	3.32	613	-1	N/A	N/A	Pass
Blue	F	SSC	61527	1.62	546	0	N/A	N/A	Pass
Blue	E	FITC	114	39.65	549	-1	0.0203	179	Pass
Blue	D	PE	228	30.17	547	1	0.1591	278	Pass
Blue	B	PerCP-Cy5-5	217	46.39	638	-1	0.0094	95	Pass
Blue	A	PE-Cy7	73	126.69	695	-4	0.0110	20	Pass
Red	C	APC	366	27.47	599	-1	0.0202	61	Pass
Red	A	APC-Cy7	125	41.57	577	-7	0.0054	1802	Pass
Violet	B	V450	89	40.56	474	2	0.0495	1889	Pass
Violet	A	V500	196	22.18	502	3	0.0129	47	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.21	-30.66	0.84
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	17.20	13.27 - 19.91	N/A	N/A	30.92	31.36	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9669

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments